enzynomics
www.enzynomics.com
info@enzynomics.com

T3 DNA Ligase

Cat.#	Size	Conc.
M057S	150,000 units	3,000 unit/μl
M057L	750,000 units	3,000 unit/μl

Expire date:

Store at -20℃

Supplied with: 2X T3 DNA Ligase Reaction Buffer

Product description
T3 DNA Ligase is an ATP-dependent dsDNA Ligase derived from Bacteriophage T3. This product catalyzes the phosphodiester linkage between the 3' hydroxyl group and the 5' phosphate group of the dsDNA. It exhibits efficient ligation performance in both cohesive end and blunt end.

Applications
- Cloning
- Link adapter, linker to dsDNA
- Circularization of linear DNA
- Nick-sealing of dsDNA
- Site-directed mutagenesis

Storage buffer
10 mM Tris-HCl (pH 7.4), 50 mM KCl, 1 mM DTT, 50% Glycerol, 0.1 mM EDTA

Reaction buffer (1X)
66 mM Tris-HCl (pH 7.6),10 mM $MgCl_2$, 1 mM ATP, 1 mM DTT, 7.5% Polyethylene glycol (PEG 6000)

Heat inactivation
No.

Standard reaction conditions

T3 DNA Ligase	1 μl
2X T3 DNA Ligase Reaction Buffer	10 μl
*Vector DNA (4kb)	0.02 pmol
*Insert DNA (1kb)	0.06 pmol
Distilled water	up to 20 μl

*Vector : Insert = 1 : 3
→ Incubation at 25℃ for 15 min

※'Standard conditions' is only a general recommendation. The experimental conditions should be adjusted according to the purpose and sample.

Limitation of Liability
In no event will Enzynomics be liable for any direct, indirect, consequential, or incidental damages arising out of the use, the results of use, or the inability to use this product.

For Research Use Only. Not for use in diagnostic procedures.

ISO9001 ISO14001 ISO13485

Rev.180228

enzynomics
www.enzynomics.com
info@enzynomics.com

T3 DNA Ligase

Cat.# Size Conc.
M057S 150,000 units 3,000 unit/μl
M057L 750,000 units 3,000 unit/μl

Expire date:
Store at -20℃
Supplied with: 2X T3 DNA Ligase Reaction Buffer

Product description
T3 DNA Ligase is an ATP-dependent dsDNA Ligase derived from Bacteriophage T3. This product catalyzes the phosphodiester linkage between the 3' hydroxyl group and the 5' phosphate group of the dsDNA. It exhibits efficient ligation performance in both cohesive end and blunt end.

Applications
- Cloning
- Link adapter, linker to dsDNA
- Circularization of linear DNA
- Nick-sealing of dsDNA
- Site-directed mutagenesis

Storage buffer
10 mM Tris-HCl (pH 7.4), 50 mM KCl, 1 mM DTT, 50% Glycerol, 0.1 mM EDTA

Reaction buffer (1X)
66 mM Tris-HCl (pH 7.6),10 mM $MgCl_2$, 1 mM ATP, 1 mM DTT, 7.5% Polyethylene glycol (PEG 6000)

Heat inactivation
No.

Standard reaction conditions

T3 DNA Ligase	1 μl
2X T3 DNA Ligase Reaction Buffer	10 μl
*Vector DNA (4kb)	0.02 pmol
*Insert DNA (1kb)	0.06 pmol
Distilled water	up to 20 μl

*Vector : Insert = 1 : 3
→ Incubation at 25℃ for 15 min

※'Standard conditions' is only a general recommendation. The experimental conditions should be adjusted according to the purpose and sample.

Limitation of Liability
In no event will Enzynomics be liable for any direct, indirect, consequential, or incidental damages arising out of the use, the results of use, or the inability to use this product.

For Research Use Only. Not for use in diagnostic procedures.

ISO9001 ISO14001 ISO13485